

Abstract of the Disclosure

5 New photosensitive PBO precursor polymers which contain
diazquinone moieties attached to its backbone and in which all amino
end groups are converted into amide groups. The photosensitive
formulation based on the disclosed PBO precursor polymers have good
imaging and mechanical properties as well as superior shelf life stability.

10 Photosensitive polybenzoxazole precursor polymers having
(sulfon)amide end groups (with or without attached diazoquinone groups)
can be formulated into photosensitive compositions with diazoquinone
photoactive compounds which lack benzylic hydrogens on the backbone
to yield compositions producing films significantly lighter in color after
15 curing.